

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1344399

Luminaire Tested: P3A13R259027DE010 E3CA301MW

Issue Date: 2/13/2026

Test Information

Test Method: LM-79-2019
Report Number: P1344399
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/13/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3A13R259027DE010 E3CA301MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 90CRI , E3CA301MW TRIM
Light Source: -
Ballast/Driver: -

Summary

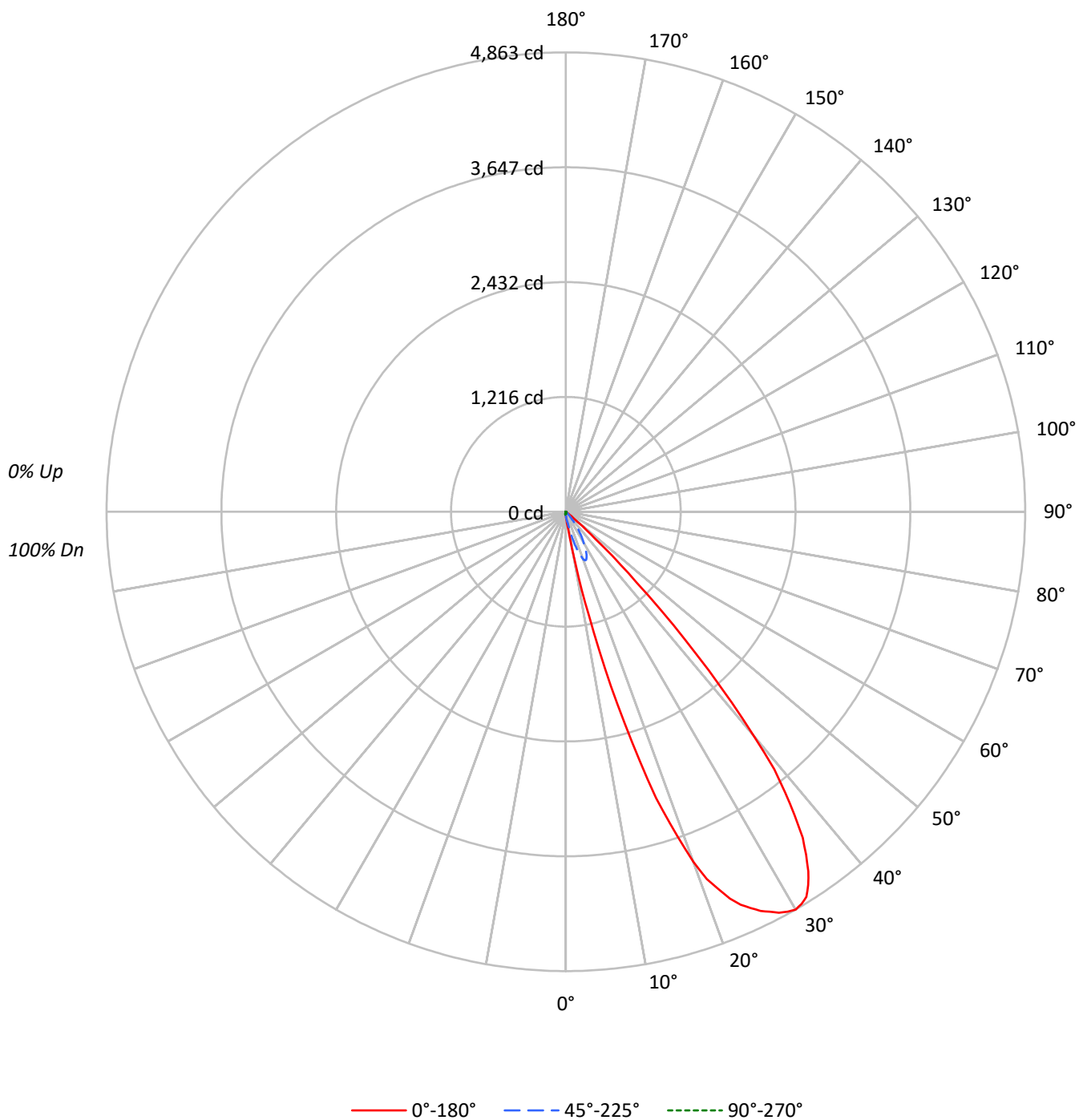
Lumens per Lamp: N/A
Luminaire Lumens: 972.9 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	93	93	92
2	106	100	95	92	104	98	94	90	95	92	88	92	89	87	89	87	85	85	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	79	77	77	77	75
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	73	69	69	69	68
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	63	63	61
6	81	71	63	58	79	70	63	58	68	62	58	67	61	57	65	60	57	57	57	55
7	76	65	58	53	74	64	57	52	63	57	52	61	56	52	60	55	52	52	52	50
8	71	60	52	48	70	59	52	47	58	52	47	57	51	47	56	51	47	47	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	42	42	42	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	42	39	39	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9166	9166	9166	9166	9166
5°	22980	16993	8585	4402	3390
10°	100466	28902	7081	2026	1425
15°	477710	77912	4949	817	613
20°	919623	124774	3174	210	210
25°	1119984	125862	1766	0	0
30°	1231379	96319	684	0	0
35°	1186653	61248	241	0	0
40°	886661	26507	0	0	258
45°	328251	7039	279	279	837
50°	38719	921	614	614	1228
55°	3823	0	688	1032	1720
60°	395	0	1184	1579	1974
65°	467	467	1868	2335	2802
70°	577	577	2308	2308	3462
75°	763	763	2288	2288	3050
80°	0	1137	3410	2273	3410
85°	0	2264	6793	2264	2264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 328251 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.6
10°-20°	113.4	11.7
20°-30°	356.1	36.6
30°-40°	374.8	38.5
40°-50°	110.1	11.3
50°-60°	5.9	0.6
60°-70°	2.8	0.3
70°-80°	2.4	0.3
80°-90°	1.3	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	475.6	48.9
0°-40°	850.4	87.4
0°-60°	966.4	99.3
0°-90°	972.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	972.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	42	42	42	42	42	
5°	104	77	39	20	15	19
15°	2104	343	22	4	3	663
25°	4629	520	7	0	0	2123
35°	4433	229	1	0	0	2675
45°	1058	23	1	1	3	962
55°	10	0	2	3	4	25
65°	1	1	4	4	5	1
75°	1	1	3	3	4	1
85°	0	1	3	1	1	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
2.5°	64.5	65.4	62.6	64.5	62.6	61.7	60.8	56.3	49.0	41.8	34.5
5°	104.4	104.4	99.9	99.0	97.1	93.5	89.9	77.2	55.4	39.0	27.2
7.5°	163.4	162.5	160.7	156.1	147.1	138.0	128.9	100.8	60.8	36.3	20.9
10°	451.2	444.8	436.7	387.6	332.3	283.2	240.6	129.8	65.4	31.8	15.4
12.5°	1121.2	1084.8	998.6	900.6	775.3	643.6	514.7	211.5	67.2	26.3	10.9
15°	2104.3	2029.0	1894.6	1698.5	1442.5	1154.7	909.6	343.2	65.4	21.8	8.2
17.5°	3177.4	3104.7	2918.6	2620.9	2244.1	1802.0	1368.1	454.8	60.8	18.2	5.4
20°	3940.9	3863.7	3689.4	3373.5	2965.9	2376.7	1801.1	534.7	57.2	13.6	2.7
21°	4164.2	4087.0	3902.7	3597.7	3169.2	2578.2	1940.0	548.3	54.5	11.8	1.8
22°	4305.8	4260.4	4062.5	3766.6	3329.9	2739.8	2058.9	554.7	52.7	10.9	1.8
23°	4448.3	4380.2	4195.0	3882.8	3452.4	2859.6	2147.0	550.1	50.8	9.1	0.9
24°	4553.6	4496.4	4281.3	3972.6	3537.8	2933.2	2198.7	538.3	48.1	8.2	0.9
25°	4629.0	4576.3	4352.1	4033.5	3595.0	2973.1	2215.1	520.2	45.4	7.3	0.9
26°	4700.7	4643.5	4411.1	4068.9	3624.9	2985.8	2199.7	500.2	42.7	6.4	0.0
27°	4752.4	4694.3	4452.0	4089.7	3626.7	2970.4	2157.9	473.0	39.9	5.4	0.0
28°	4807.8	4740.6	4480.1	4101.5	3615.9	2934.1	2098.0	443.9	38.1	4.5	0.0
29°	4841.4	4777.9	4509.1	4114.2	3593.2	2873.3	2010.8	409.4	33.6	2.7	0.0
30°	4863.2	4787.8	4506.4	4100.6	3563.2	2807.9	1906.4	380.4	29.1	2.7	0.0
31°	4845.0	4766.1	4477.4	4062.5	3515.1	2722.6	1799.3	344.1	23.6	1.8	0.0
32°	4806.0	4712.5	4426.5	3996.2	3428.8	2612.7	1688.5	314.1	17.2	1.8	0.0
33°	4710.7	4631.7	4334.8	3907.3	3316.3	2463.8	1544.2	285.1	11.8	0.9	0.0
34°	4590.9	4511.9	4209.6	3788.3	3165.6	2271.4	1369.0	255.1	10.0	0.9	0.0
35°	4432.9	4354.8	4067.9	3622.2	2965.9	2039.9	1188.3	228.8	8.2	0.9	0.0
36°	4266.8	4163.3	3889.1	3445.2	2698.0	1776.6	995.0	198.8	6.4	0.9	0.0
37°	4022.6	3952.7	3648.5	3175.6	2408.4	1524.2	854.3	171.6	4.5	0.9	0.0
38°	3769.3	3704.8	3408.0	2904.1	2085.3	1274.6	715.4	145.3	3.6	0.0	0.0
39°	3507.8	3400.7	3107.5	2556.4	1746.6	1067.6	601.9	121.6	1.8	0.0	0.0
40°	3097.5	3015.8	2702.6	2138.8	1445.3	865.2	512.9	92.6	1.8	0.0	0.0
42.5°	2053.5	1977.2	1648.6	1160.2	768.0	505.7	338.6	36.3	0.0	0.9	0.0
45°	1058.5	1010.4	820.7	607.3	435.8	310.5	217.9	22.7	0.0	0.9	0.9
47.5°	420.3	412.2	372.2	321.4	247.8	184.3	118.9	10.0	0.0	0.9	0.9
50°	113.5	114.4	107.1	99.0	89.9	84.4	49.9	2.7	0.0	1.8	0.9
52.5°	48.1	49.0	47.2	44.5	39.9	30.0	20.0	0.9	0.9	1.8	1.8
55°	10.0	10.9	11.8	12.7	14.5	12.7	8.2	0.0	0.9	1.8	1.8
57.5°	1.8	1.8	1.8	1.8	2.7	2.7	1.8	0.0	0.9	1.8	2.7
60°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	1.8	2.7	2.7
62.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	3.6
65°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	3.6	3.6
67.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7	3.6	3.6
70°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7	3.6	3.6
72.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7	3.6	2.7
75°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	2.7	2.7	2.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.8	2.7	2.7
80°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	1.8	2.7	1.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	1.8	2.7	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	1.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	2.7	1.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
0°	41.8	41.8	41.8
2.5°	29.1	26.3	25.4
5°	20.0	17.2	15.4
7.5°	13.6	10.9	10.0
10°	9.1	7.3	6.4
12.5°	6.4	3.6	3.6
15°	3.6	2.7	2.7
17.5°	1.8	0.9	0.9
20°	0.9	0.9	0.9
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.9
39°	0.0	0.9	0.9
40°	0.0	0.9	0.9
42.5°	0.0	0.9	1.8
45°	0.9	1.8	2.7
47.5°	1.8	2.7	3.6
50°	1.8	3.6	3.6
52.5°	2.7	3.6	4.5
55°	2.7	4.5	4.5
57.5°	3.6	4.5	5.4
60°	3.6	4.5	4.5
62.5°	3.6	5.4	5.4
65°	4.5	5.4	5.4
67.5°	4.5	5.4	5.4
70°	3.6	4.5	5.4
72.5°	3.6	4.5	4.5
75°	2.7	3.6	3.6
77.5°	2.7	2.7	3.6
80°	1.8	2.7	2.7



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CATALOG NUMBER: P3A13R259027DE010 E3CA301MW

CANDELA DISTRIBUTION (continued):

	135°	157.5°	180°
82.5°	1.8	1.8	1.8
85°	0.9	0.9	0.9
87.5°	0.9	0.9	0.9
90°	0.0	0.0	0.0

(END OF REPORT)